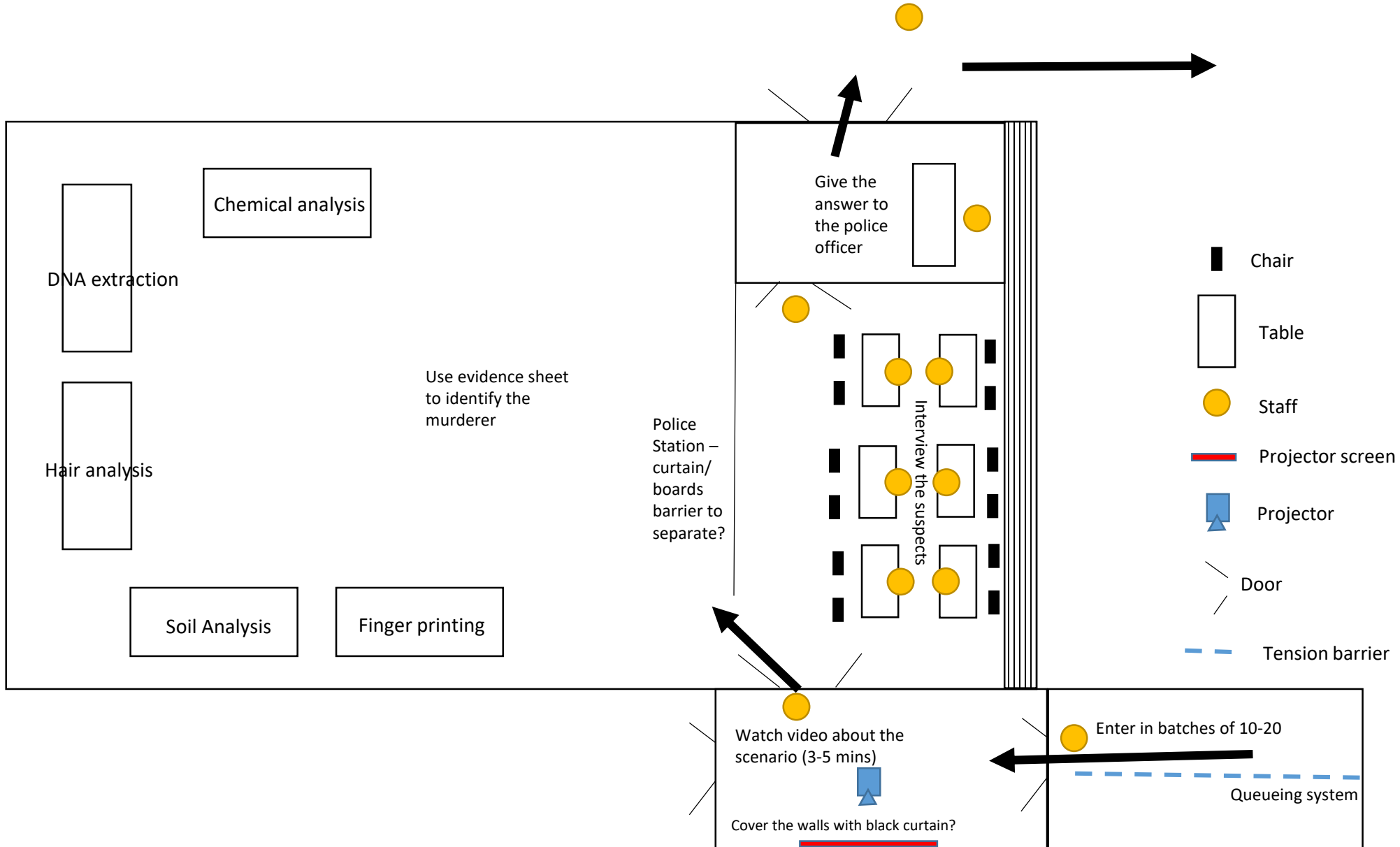


# Example room layout– Murder Mystery



|                    | <b>What they do</b>   | <b>What evidence they are given</b>   | <b>What they find out</b>  |
|--------------------|---|---|--|
| Finger Printing    | Lots of cards of the six suspects' finger prints on the table. Given info on how to analyse finger prints                                       | Given 3 finger prints   | Which of the 6 suspects those 3 prints belong to                           |
| Soil Analysis      | Use microscopes to analyse soil. Told about different soil in different areas gives different properties – we get samples from people's gardens | a muddy footprint sample on the table<br>Details of where the suspects live-or do they need to ask the suspects this?   | Where the mud came from (associated with a number of suspects)             |
| Hair Analysis      | Use microscopes to analyse hair – we get samples from our team  | Samples from the 6 suspects – hair matches 3?   | Which suspects have dyed hair?   |
| DNA extraction     | Extract DNA from a Kiwi? See PCR traces of 6 samples of DNA   | 2 samples of blood found and their DNA traces.  | Which 2 suspects are the DNA for   |
| Chemical analysis  | Chemical tests to determine what the white powder is  | Given a flow chat of what happened with a sample found at the sconce when subjected to tests  | What the white powder is – it should be associated to a number of suspects |
| Interview suspects | Ask targeted questions to the suspects  | They have to formulate the questions once they have some evidence e.g.<br>where do you live? – linked to soil<br>Do you dye your hair<br>Have you hurt your ankle recently? | Who the murderer is  |